

**AMENDMENTS TO THE CLAIMS**

1. (Original) An autonomic buffer configuration method comprising the steps of:  
monitoring data flowing through buffers in a communications system;  
recording in at least one buffer profile different data sizes for different ones of said data flowing through said buffers during an established interval of time;  
computing an optimal buffer size based upon a specification of a required percentage of times a buffer must be able to accommodate data of a particular size; and,  
re-sizing at least one of said buffers without re-initializing said at least one resized buffer.
2. (Original) The method of claim 1, wherein said recording step further comprises the step of varying delays between consecutive input/output operations in said communications system to affect how much data flows between said communications system and an application coupled to said communications system.
3. (Original) The method of claim 1, wherein said monitoring step comprises the step of monitoring said data for each connection in said communications system.

Claims 4-13 (Cancelled)

14. (Original) A machine readable storage having stored thereon a computer program for autonomic buffer configuration, the computer program comprising a routine set of instructions which when executed by the machine cause the machine to perform the steps of:

monitoring data flowing through buffers in a communications system;  
recording in at least one buffer profile different data sizes for different ones of said data flowing through said buffers during an established interval of time;  
computing an optimal buffer size based upon a specification of a required percentage of times a buffer must be able to accommodate data of a particular size; and,  
re-sizing at least one of said buffers without re-initializing said at least one resized buffer.

15. (Original) The machine readable storage of claim 14, wherein said recording step further comprises the step of varying delays between consecutive input/output operations in said communications system to affect how much data flows between said communications system and an application coupled to said communications system.

16. (Original) The machine readable storage of claim 14, wherein said monitoring step comprises the step of monitoring said data for each connection in said communications system.

Claims 17-18 (Cancelled)